

IN THE CLAIMS

Please cancel claims 6-7 and 20:

Please amend the claims as follows:

1. (Twice Amended) A recombinant DNA molecule comprising a regulatory sequence of a promotor active in plants, a selectable marker DNA sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto and a further DNA sequence encoding a peptide, protein, antisense or sense RNA, viral RNA or a ribozyme.

2. (Twice Amended) The recombinant DNA molecule of claim 1, wherein the selectable marker DNA sequence is selected from the group consisting of:

(a) a DNA sequence which encodes the amino acid sequence of SEQ ID NO: 2;

(b) a DNA sequence of SEQ ID NO: 1;

(c) a DNA sequence which hybridizes in 6 x SSC under 55 °C to a complementary strand of the DNA sequence of (a) or (b);

(d) a DNA sequence which is degenerate to the DNA sequence of (b) or (c); and

(e) a DNA sequence encoding a polypeptide amino acid sequence that is at least 90% identical to the amino acid sequence of SEQ ID NO: 2 and having 2-DOG-6-P phosphatase activity.

9. (Twice Amended) A kit comprising a DNA sequence comprising a regulatory sequence of a promotor active in plants and a sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto or a vector comprising said DNA sequence, and 2-deoxyglucose or a non-metabolizable analogue of glucose.

10. (Twice Amended) A process for selecting a transformed plant cell, comprising the following steps:

(a) obtaining plant cells;

(b) introducing a DNA sequence comprising a regulatory sequence of a promoter active in plants and a sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto, or a vector comprising said DNA sequence into said plant cells; and

(c) selecting the successfully transformed plant cell on 2-deoxyglucose-containing media or on media containing a non-metabolizable analogue of glucose.

11. (Twice Amended) The process of claim 10 or 36, wherein the vector is transferred to plant cells via *Agrobacterium tumefaciens*.

12. (Amended) The process of claim 10 or 36, wherein the recombinant DNA molecule or vector is transferred to plant cells by particle bombardment.

14. (Twice Amended) A transgenic plant cell comprising a DNA sequence comprising a regulatory sequence of a promoter active in plants and a selectable marker sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto, and at least one further DNA sequence encoding a peptide, protein, antisense or sense RNA, viral RNA or a ribozyme.

19. (Twice Amended) A method of producing the plant cell of claim 14 comprising:

a) obtaining a plant cell; and

b) introducing the DNA sequence and the further DNA sequence into the plant cell.

22. (Amended) The recombinant DNA molecule of claim 1, wherein the selectable marker DNA sequence encodes the amino acid sequence of SEQ ID NO: 2.

23. (Amended) The recombinant DNA molecule of claim 1, wherein the selectable marker DNA sequence is SEQ ID NO: 1.

24. (Amended) A transgenic plant cell produced according to the process of claim 10 or 36.

29. (Amended) The transgenic plant of claim 27, wherein the plant is a monocotyledonous or dicotyledonous plant.

30. (Amended) The transgenic plant of claim 27, wherein the plant is selected from the group consisting of wheat, barley, rice, rape, pea, maize, sugar beet, sugar cane and potato.

Please add claims 33-38 as follows:

33. (New) A host cell comprising a DNA sequence comprising a regulatory sequence of a promotor active in plants and a selectable marker sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto, and a further DNA sequence encoding a peptide, protein, antisense or sense RNA, viral RNA or a ribozyme.

34. (New) A host cell comprising a vector comprising a regulatory sequence of a promotor active in plants and a selectable marker sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably

linked thereto, and at least one further vector comprising a DNA sequence encoding a peptide, protein, antisense or sense RNA, viral RNA or a ribozyme.

35. (New) A transgenic plant cell comprising a vector comprising a regulatory sequence of a promotor active in plants and a selectable marker sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto, and at least one further vector comprising a DNA sequence encoding a peptide, protein, antisense or sense RNA, viral RNA or a ribozyme.

36. (New) A process for selecting a transformed plant cell, comprising the following steps:

(a) obtaining plant cells;

(b) introducing a DNA sequence comprising a regulatory sequence of a promotor active in plants and a sequence encoding a 2-deoxyglucose-6-phosphate (2-DOG-6-P) phosphatase operably linked thereto, and a <sup>second</sup> further DNA sequence encoding a peptide, protein, antisense or sense RNA, viral RNA or a ribozyme into said plant cells; and

(c) selecting the successfully transformed plant cell on 2-deoxyglucose-containing media <sup>or on media</sup> containing a non-metabolizable analogue of glucose].

37. (New) The process of claim 36, wherein the DNA sequence is on the same or separate vector as the <sup>second</sup> further DNA sequence.

38. (New) The process of claim 10, wherein the DNA sequence is on the same or separate ~~vector~~ as the further DNA sequence.